LABDEX

Ultrasonic Homogenizer LX100UH

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Description

Ultrasonic Homogenizer LX100UH is a digital control unit that monitors and controls ultrasonic output parameters. Continual work mode aids in frequent contaminant filtration. Intermittent work mode prevents the accumulation of excessive heat in the liquid. Time setting key for adjustment of minutes and seconds. Insulated enclosure reduces noise levels. Safety features include overheating protection lamp and over-temperature detection for end-user safety.

Specifications

Power	100 W
Volume	100 µl ~ 80 ml
Output amplitude	1 % ~ 90 %
Pulse width time	0.1 sec ~ 9.9 sec
Intensity display range	0 ~ 100 %
Probe diameter control levels	< 5 mm 5 mm ~ 8 mm 8 mm ~ 10 mm > 10 mm
Probe size	1/4" 1/8" 3/16"
Packing dimensions	800 x 370 x 380 mm
Weight	16 kg

Features

- Zirconium-titanium acid with barium piezoelectric vibrator
- Variable power output safe control to protect samples
- Operation made easy by visual light bar or digital displays working power
- Probe diameter button (ultrasonic output intensity)
- LCD display
- Adjustable amplitude output
- Two options available: Interval pulse modulate and constant output
- External control interface are available for high-level operation
- Automated power-off

- Having independent external pedal switch

Applications

- Used in the fields of biochemistry, microbiology, drug chemistry, surface chemistry, physics, zoology, medicine and pharmacy, etc. Also used for ultrasonic cell grinding, cell disruption and dispersion of nanoparticles.

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